

IN THE CLAIMS

Please amend the claims as follows:

1. (Canceled).

2. (Currently Amended): An information recording multibeam light source comprising:

a semiconductor laser array including a plurality of light emitting points in a single package, said plurality of light emitting points being formed to be positioned in linear relationship to one another and having an equidistant pitch so as to respectively emit laser beams simultaneously scanned over a recording substrate;

means for collimating said laser beams emitted by said semiconductor laser array;

means for holding the semiconductor laser array and the means for collimating and including a through-hole through which the semiconductor laser array is inserted and secured, and including an interfitting rod portion protruding from the means for holding and a flange protruding from an edge of a portion of the interfitting rod portion for securing the means for collimating such that an optical axis of the means for collimating substantially coincides with a midpoint between the plurality of light emitting points; and

~~adjusting~~ means for adjusting a position of said semiconductor laser array so as to satisfy the relation $\theta \leq \tan^{-1}\{1/(n-1)\}$, where angle θ is defined by first and second straight lines on the recording substrate, said first straight line drawn perpendicular to a primary scanning direction and said second straight line drawn through respective centers of a first and an n-th laser beam spot formed by projecting laser beams emitted respectively from said plurality of light emitting points, based on a detected position of a light emitting point in the plurality of light emitting points from a CCD camera.

Claims 3-5 (Canceled).

6. (Currently Amended): An information recording multibeam light source comprising:

a plurality of semiconductor laser arrays each including a plurality of light emitting points in a single package, said plurality of light emitting points being formed to be positioned in linear relationship to one another and having an equidistant pitch so as to respectively emit laser beams simultaneously scanned over a recording substrate;

a plurality of corresponding means for collimating said laser beams emitted by said plurality of semiconductor arrays;

a plurality of corresponding means for holding the plurality of semiconductor laser arrays and the plurality of means for collimating and each including a through-hole through which a respective semiconductor laser array of the plurality of semiconductor arrays is inserted and secured, and each including an interfitting rod portion protruding from the corresponding means for holding and a flange protruding from an edge of a portion of the interfitting rod portion for securing a respective collimating means of the plurality of means for collimating such that an optical axis of the respective collimating means substantially coincides with a midpoint between the plurality of light emitting points of the respective semiconductor array; and

~~adjusting~~ means for adjusting each of said semiconductor laser arrays individually to a position so as to satisfy the relation $\theta \leq \tan^{-1}\{1/(n-1)\}$, where angle θ is defined by first and second straight lines on the recording substrate for each of said semiconductor laser arrays, said first straight line drawn perpendicular to a primary scanning direction and said second straight line drawn through respective centers of a first and an n-th laser beam spot formed by projecting laser beams emitted respectively from said plurality of light emitting points, based

on a detected position of a light emitting point in the plurality of light emitting points from a CCD camera.

Claim 7 (Canceled).

8. (Previously Presented): The information recording multibeam light source according to claim 6, wherein:

said plurality of semiconductor laser arrays comprises a first laser array defining an optical axis of laser beams aligned to be approximately parallel to and tilted by a relatively minute angle from that of other laser arrays, so that a position of said laser beam spots on the recording substrate formed by said first laser array is adjusted to be displaced from that of laser beam spots from said other laser arrays by a predetermined distance along the primary scanning direction.

Claims 9-21 (Canceled).

22. (Currently Amended): An information recording multibeam light source comprising:

a semiconductor laser array including a plurality of light emitting points in a single package, said plurality of light emitting points being formed to be positioned in linear relationship to one another and having an equidistant pitch so as to respectively emit laser beams simultaneously scanned over a recording substrate;

a collimator lens configured to collimate said laser beams emitted by said semiconductor laser array;

a holder configured to hold the semiconductor laser array and the collimator lens and including a through-hole through which the semiconductor laser array is inserted and secured, and including an interfitting rod portion protruding from the holder and a flange protruding from an edge of a portion of the interfitting rod portion configured to secure the collimator lens such that an optical axis of the collimator lens substantially coincides with a midpoint between the plurality of light emitting points; and

a position adjustor configured to adjust a position of said semiconductor laser array so as to satisfy the relation $\theta \leq \tan^{-1} \{1/(n-1)\}$, where angle θ is defined by first and second straight lines on the recording substrate, said first straight line drawn perpendicular to a primary scanning direction and said second straight line drawn through respective centers of a first and an n-th laser beam spot formed by projecting laser beams emitted respectively from said plurality of light emitting points, based on a detected position of a light emitting point in the plurality of light emitting points from a CCD camera.

Claims 23-25 (Canceled).

26. (Currently Amended): An information recording multibeam light source comprising:

a plurality of semiconductor laser arrays each including a plurality of light emitting points in a single package, said plurality of light emitting points positioned in linear relationship to one another and having an equidistant pitch so as to respectively emit laser beams simultaneously scanned over a recording substrate;

a plurality of corresponding collimator lenses configured to collimate said laser beams emitted by said plurality of semiconductor laser arrays;

a plurality of corresponding holders configured to hold the plurality of semiconductor laser arrays and the plurality of collimator lenses and each including a through-hole through which a respective semiconductor laser array of the plurality of semiconductor arrays is inserted and secured, and each including an interfitting rod portion protruding from the corresponding holder and a flange protruding from an edge of a portion of the interfitting rod portion for securing a respective collimator of the plurality of collimators such that an optical axis of the respective collimator substantially coincides with a midpoint between the plurality of light emitting points of the respective semiconductor array; and

a position adjustor configured to adjust each of said semiconductor laser arrays individually to a position so as to satisfy the relation $\theta \leq \tan^{-1} \{1/(n-1)\}$, where angle θ is defined by first and second straight lines on an image recording substrate for each of said semiconductor laser arrays, said first straight line drawn perpendicular to a primary scanning direction and said second straight line drawn through respective centers of a first and an n-th laser beam spot formed by projecting laser beams emitted respectively from said plurality of light emitting points, based on a detected position of a light emitting point in the plurality of light emitting points from a CCD camera.

Claim 27 (Canceled).

28. (Previously Presented): The information recording multibeam light source according to claim 26, wherein:

an optical axis of laser beams from a first laser array is aligned to be approximately parallel to and tilted by a relatively minute angle from that of other laser arrays, so that a position of said laser beam spots on the recording substrate formed by said first laser array is

adjusted to be displaced from that of laser beam spots from said other laser arrays by a predetermined distance along the primary scanning direction.

Claims 29-40 (Canceled).

41. (Previously Presented): The information recording multibeam light source according to claim 2, wherein $n = 4$.

42. (Previously Presented): The information recording multibeam light source according to claim 6, wherein $n = 4$.

43. (Previously Presented): The information recording multibeam light source according to claim 22, wherein $n = 4$.

44. (Previously Presented): The information recording multibeam light source according to claim 26, wherein $n = 4$.